Eagle Point Solution to a Frequently Asked Question

How to Extract Profile Coordinate Data to a File

Summary:
This document explains the process for exporting 2D Polylines and 3D Polylines coordinates to a text file. If the 2D polyline represents a cross-sectional or profile view in Eagle Point, the output will be in station/elevation format. If the polyline is in plan view, the output will be East, North, Station, Elevation.

Product: Eagle Point Software™ 2001
Release: 2001 Q4 or 1.4.0 and greater
Platform: All
Related documents:

As always, should you have any questions regarding any phase of installation, contact Eagle Point Technical Assistance at (800) 477-0909.

Eagle Point Steps Using the NRCS/EP Customized Menu

Notation Method

Button to Press *Displayed Text* **Icon** Action {Text to Enter} *Menu Item…*

Develop a Polyline from Which You Want Data Extracted

Two methods might be used:

- To develop an Eagle Point cross-sectional or profile view, use the instructions in *How to Create a Profile*. **Or**
- To create a plan view polyline that has elevations, draw a **3D Polyline** and snap to Nodes or other objects that have elevations.

Extract Data from a Polyline

1. If you are extracting data for a line that is displayed in a profile or cross-section view in CAD, make sure that the *NRCS/EP… Plot Scales…* are set correctly for that Profile Coordinate system.
2. From AutoCAD, click *NRCS/EP… Profiles/Sections…NRCS Coordinate Extractor…*.
3. Select the polyline that you want to extract data for.
4. If you are in an Eagle Point project you will be asked whether you want to use the EP data from a profile/cross-section view.

Click Yes if you have selected a Polyline in an Eagle Point profile/cross-sectional view.	Click No if you selected a polyline in a plan view.
Pull down to the correct Profile Coordinate System name. E.g. {CL Dam}. Click X out of the PCS box if it does not disappear after selecting the name.	
Note: Data format - tab delimited: Station, Elevation.	**Note:** Data format - tab delimited: Easting, Northing, Station, Elevation.

5. Pull down the file "Save as type:" to either *.txt* or *All files*.
6. Input the filename to save this data as. E.g. {Bear Cr 26 Downstream CL.txt}.
7. The file will open in Notepad. Review the data and click *File… Exit…* to quit out of Notepad.

Submitted by Norman Friedrich.